

CLAIMS

1. A manufacturing method for a solid electrolytic capacitor comprising a solid electrolyte and an anode made from a valve metal with an oxide film on the surface, comprising a step of:

immersing an element with said solid electrolyte formed, in a polyimide silicone solution, to form a film which blocks electrons.

2. manufacturing method for a solid electrolytic capacitor wherein a solid electrolytic layer comprising a conductive polymer is formed by impregnating a polymeric monomer and an oxidizing agent into a capacitor element wound with an anode foil and a cathode foil with a separator therebetween, comprising the steps of:

immersing said capacitor element in a polyimide silicone solution, to form a film which blocks electrons; and

forming a solid electrolytic layer comprising said conductive polymer thereafter.

3. The manufacturing method for a solid electrolytic capacitor according to claim 1 or 2, characterized in that the concentration of said polyimide silicone solution is between 2.0 wt% and 10 wt%.

4. The manufacturing method for a solid electrolytic capacitor according to claim 1 or 2, characterized in that the concentration of said polyimide silicone solution is no less than 0.05 wt% and less than 2.0 wt%.

5. The manufacturing method for a solid electrolytic

capacitor according to any one of claim 1 or 2, characterized in that said polymeric monomer is a thiophene derivative.

6. The manufacturing method for a solid electrolytic
5 capacitor according to claim 5, characterized in that said thiophene derivative is 3, 4-ethylenedioxythiophene.